

# Sean Garner

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,365  
citations

361413

20  
h-index

377865

34  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the sensitivity of flexible acoustic wave ultraviolet photodetector with graphene-quantum-dots decorated ZnO nanowires. <i>Sensors and Actuators A: Physical</i> , 2021, 321, 112590.	4.1	26
2	Flexible thin-film acoustic wave devices with off-axis bending characteristics for multisensing applications. <i>Microsystems and Nanoengineering</i> , 2021, 7, 97.	7.0	25
3	Stacked volume holographic gratings for extending the operational wavelength range in LED and solar applications. <i>Applied Optics</i> , 2020, 59, 2569.	1.8	10
4	Sustainable Photovoltaics. <i>Lecture Notes in Energy</i> , 2020, , 25-85.	0.3	0
5	Ultrathin Glass Substrates for Thin, Lightweight, Flexible OLED Lighting. <i>Information Display</i> , 2019, 35, 9-13.	0.2	11
6	Roll-to-Roll Printing of Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2018, 3, 2558-2565.	17.4	199
7	Anti-reflective coating with a conductive indium tin oxide layer on flexible glass substrates. <i>Applied Optics</i> , 2018, 57, 2202.	1.8	10
8	Surface Disruption Method With Flexible Glass to Prevent Potential-Induced Degradation of the Shunting Type in PV Modules. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 62-67.	2.5	8
9	High-Performance Flexible Perovskite Solar Cells on Ultrathin Glass: Implications of the TCO. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4960-4966.	4.6	111
10	Improving efficiencies of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanoparticle based solar cells on flexible glass substrates. <i>Thin Solid Films</i> , 2017, 642, 110-116.	1.8	27
11	Roll-to-Roll Processing of Flexible Glass. , 2017, , 85-127.		2
12	Flexible Glass for Microelectronics Integration. , 2017, , 331-347.		0
13	68-4: Demonstration of the Novel Ultra-Slim Flexible Glass as Substrate with Metal Meshed Antenna. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 937-939.	0.3	2
14	Mitigation of dust impacts on solar collectors by water-free cleaning with transparent electrodynamic films: Progress and challenges. , 2016, , .		6
15	RF-sputtered Cd <sub>2</sub> /SnO <sub>4</sub> for flexible glass CdTe solar cells. , 2016, , .		3
16	Study on AZO coated flexible glass as TCO substrate. , 2016, , .		10
17	Development of Transparent Electrodynamic Screens on Ultrathin Flexible Glass Film Substrates for Retrofitting Solar Panels and Mirrors for Self-Cleaning Function. <i>MRS Advances</i> , 2016, 1, 1003-1012.	0.9	12
18	Iron pyrite thin films grown through a one-step annealing of iron oxide using sulfur sources, tert-butyl disulfide and H <sub>2</sub> S. <i>Thin Solid Films</i> , 2016, 615, 271-280.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Study of the VHF Plasma Etching of Micro/Nano Patterned PMMA Coated on Ultra-thin Flexible Glass Substrates. Plasma Processes and Polymers, 2016, 13, 990-996.	3.0	2
20	Highly Flexible Transparent Electrodes Containing Ultrathin Silver for Efficient Polymer Solar Cells. Advanced Functional Materials, 2015, 25, 7309-7316.	14.9	81
21	Development of flexible ZnO thin film surface acoustic wave strain sensors on ultrathin glass substrates. Journal of Micromechanics and Microengineering, 2015, 25, 115005.	2.6	21
22	High-efficiency, flexible CdTe solar cells on ultra-thin glass substrates. Applied Physics Letters, 2015, 106, .	3.3	106
23	In-situ flexural OPV measurements on flexible glass substrate. , 2015, , .		1
24	The effect of back contact and rapid thermal processing conditions on flexible CdTe device performance. , 2015, , .		2
25	Non-vacuum route for CIGS thin film absorber on flexible glass substrates. , 2015, , .		5
26	An Indium Tin Oxide-Free Polymer Solar Cell on Flexible Glass. ACS Applied Materials & Interfaces, 2015, 7, 4541-4548.	8.0	60
27	Flexible photonic components in glass substrates. Optics Express, 2015, 23, 22532.	3.4	29
28	Active and passive integration on flexible glass substrates: Subtractive single micron metal interposers and high performance IGZO thin film transistors. , 2015, , .		2
29	Flexible glass substrate based dye sensitized solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 237-244.	6.2	48
30	Diffraction Optical Elements with a Large Angle of Operation Recorded in Acrylamide Based Photopolymer on Flexible Substrates. International Journal of Polymer Science, 2014, 2014, 1-7.	2.7	12
31	Laser Cutting of Flexible Glass. , 2014, , .		4
32	Glass meets flexibility. Vakuum in Forschung Und Praxis, 2014, 26, 35-39.	0.1	10
33	14%-efficient flexible CdTe solar cells on ultra-thin glass substrates. Applied Physics Letters, 2014, 104, .	3.3	62
34	Fabrication of Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cell on a flexible glass substrate. Thin Solid Films, 2014, 562, 574-577.	1.8	59
35	Flexible, transparent, and conductive defrosting glass. Thin Solid Films, 2014, 556, 13-17.	1.8	39
36	Strained Growth of Aluminum-Doped Zinc Oxide on Flexible Glass Substrate and Degradation Studies Under Cyclic Bending Conditions. IEEE Transactions on Device and Materials Reliability, 2014, 14, 121-126.	2.0	25

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37	Bendable transparent ZnO thin film surface acoustic wave strain sensors on ultra-thin flexible glass substrates. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9109-9114.	5.5	44
38	Ultra-slim flexible glass for roll-to-roll electronic device fabrication. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 403-407.	2.3	97
39	Cholesteric Liquid Crystal Display With Flexible Glass Substrates. <i>Journal of Display Technology</i> , 2013, 9, 644-650.	1.2	21
40	Flexible glass substrates for display and lighting applications. , 2013, , .		3
41	The use of Corning® Willow™ glass for flexible CdTe solar cells. , 2013, , .		3
42	58.2:Distinguished Paper: Roll-to-roll Process on Ultra-thin Flexible Glass for Manufacturing the Multi-Touch Sensor Panel. <i>Digest of Technical Papers SID International Symposium</i> , 2013, 44, 807-809.	0.3	4
43	Active Matrix Color-LCD on 75 $\mu\text{m}$ Thick Flexible Glass Substrates. <i>Journal of Display Technology</i> , 2012, 8, 309-316.	1.2	26
44	26.1: <i>Invited Paper</i> : Ultra-Slim Flexible Glass Substrates for Display Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2012, 43, 342-344.	0.3	15
45	Electrophoretic Displays Fabricated on Ultra-Slim Flexible Glass Substrates. <i>Journal of Display Technology</i> , 2012, 8, 590-595.	1.2	27
46	CO2 laser free-shape cutting of flexible glass substrates. , 2012, , .		3
47	Gravure Printing of Conductive Inks on Glass Substrates for Applications in Printed Electronics. <i>Journal of Display Technology</i> , 2011, 7, 318-324.	1.2	67
48	Micron-Sized Feature Overlay Alignment on Large Flexible Substrates for Electronic and Display Systems. <i>Journal of Display Technology</i> , 2011, 7, 330-338.	1.2	5